

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BT/3-22348	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/013251	International filing date (day/month/year) 22/11/2004	(Earliest) Priority Date (day/month/year) 02/12/2003
Applicant CIBA SPECIALTY CHEMICALS WATER TREATMENTS LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



- b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013251

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N9/80 C12N9/88 C12N1/20 C12P7/40 C12P13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/12530 A (E.I. DUPONT DE NEMOURS AND COMPANY; BRAMUCCI, MICHAEL, G; DICOSIMO, RO) 14 February 2002 (2002-02-14) cited in the application page 11 - page 12; example 22 -----	1-11
X	EP 1 243 657 A (ASAHI KASEI KABUSHIKI KAISHA) 25 September 2002 (2002-09-25) example 6 & WO 01/48234 A (ASAHI KASEI KABUSHIKI KAISHA; AOKI, TOSHIYA; KAWAKAMI, KIYOSHI; OTSUBO) 5 July 2001 (2001-07-05) cited in the application ----- -/--	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

1 March 2005

Date of mailing of the international search report

14/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lejeune, R

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013251

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WATANABE I ET AL: "SCREENING, ISOLATION AND TAXONOMICAL PROPERTIES OF MICROORGANISMS HAVING ACRYLONITRIL-HYDRATING ACTIVITY" AGRICULTURAL AND BIOLOGICAL CHEMISTRY, JAPAN SOC. FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEM. TOKYO, JP, vol. 51, no. 12, 1987, pages 3193-3199, XP001062886 ISSN: 0002-1369 the whole document</p>	1-11
X	<p>DUCKWORTH ANDREW W ET AL: "Dietzia natronolimnaios sp. nov., a new member of the genus Dietzia isolated from an East African soda lake" EXTREMOPHILES, vol. 2, no. 3, August 1998 (1998-08), pages 359-366, XP002319505 ISSN: 1431-0651 cited in the application the whole document</p>	9
A	<p>BUNCH ALAN WILLIAM: "Biotransformation of nitriles by rhodococci" ANTONIE VAN LEEUWENHOEK, vol. 74, no. 1-3, July 1998 (1998-07), pages 89-97, XP002319506 ISSN: 0003-6072 page 95, right-hand column, last paragraph - page 96, left-hand column, paragraph 1</p>	
A	<p>WEBSTER N A ET AL: "Comparative characterisation of two Rhodoccus species as potential biocatalysts for ammonium acrylate production" BIOTECHNOLOGY LETTERS, KEW, SURREY, GB, vol. 23, 2001, pages 95-101, XP002965079 ISSN: 0141-5492 the whole document</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013251

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0212530	A	14-02-2002	CA 2416434 A1	14-02-2002
			EP 1309715 A2	14-05-2003
			JP 2004535754 T	02-12-2004
			WO 0212530 A2	14-02-2002
			US 2003166180 A1	04-09-2003
			US 2003170837 A1	11-09-2003
			US 2002039770 A1	04-04-2002
<hr/>				
EP 1243657	A	25-09-2002	AU 2229201 A	09-07-2001
			EP 1243657 A1	25-09-2002
			CN 1433479 A	30-07-2003
			WO 0148234 A1	05-07-2001
			US 2003040085 A1	27-02-2003
<hr/>				
WO 0148234	A	05-07-2001	AU 2229201 A	09-07-2001
			CN 1433479 A	30-07-2003
			EP 1243657 A1	25-09-2002
			WO 0148234 A1	05-07-2001
			US 2003040085 A1	27-02-2003
<hr/>				